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this paper, and thus it will be of great use to any one who proposes to study these highly interesting zoögeographical questions.

A. E. O.

The Apogonoid Fishes of Japan. — Jordan and Snyder continue their monographic reviews of the various groups of Japanese fishes with an account of the cardinal fishes, or Apogonidæ. Seventeen species are described, most of them being figured. Six of these are new, one new genus, *Telescopias*, being recognized. The authors have overlooked the fact that Dr. Günther has substituted the generic name of *Synagrops* for *Melanostoma*, which is preoccupied. D. S. J.

Jenkins on Hawaiian Fishes. — In the *Bulletin of the United States Fish Commission*, Dr. O. P. Jenkins continues his studies of the very rich collection of Hawaiian fishes made by him in the summer of 1889. Fifteen species are described and figured as new: *Sphyræna helleri*, *Sphyræna snodgrassi*, *Anthias fuscipinnis*, *Aphareus flavivultus*, *Eupomacentrus marginatus*, *Chromis velox*, *Chaetodon mantelliger*, *Chaetodon sphenospilus*, *Ostracion camurum*, *Oroides latifrons*, *Tropidichthys jactator*, *Eumycterias bitæniatus*, *Scorpenopsis cacopsis*, *Parapercis notostigma*, *Brotula marginalis*. Later investigations of the Hawaiian Commission, of which Dr. Jenkins is a member, show that *Chaetodon mantelliger* is the original *Chaetodon miliaris* of Quoy and Gaimard; *Parapercis notostigma* has been recently and earlier described as *Percis schauinslandi* by Steindachner.

D. S. J.

Seale on Hawaiian Fishes. — In an "Occasional Paper of the Bernice Pauahi Bishop Museum of Polynesian Ethnology and Natural History," Mr. Alvin Seale, curator of ichthyology, describes six new species of fishes from Honolulu, illustrating them with photographs of the type specimens.

These species are: *Epinephelus quernus*, *Novaculichthys tattoo*, *Serranus brighami*, *Balistes fuscolineatus*, *Monocanthus albopunctatus*, *Thalassoma berndti* (misprinted "berendto").

Of these the *Serranus brighami* seems to be related rather to *Etelis* than to *Serranus*.

D. S. J.

Starks on the Synonymy of the Fish Skeleton. — In the *Proceedings of the Washington Academy of Sciences*, Mr. Edwin Chapin Starks gives a comparative study of the names applied to the bones of fishes. This will prove a great convenience to students